ROUTE KILOMETER POST | SHEET TOTAL TOTAL PROJECT | NO. | SHEETS -\$**5** REGISTERED CIVIL ENGINEER Tillat Satta December 30, 2004 C42892 PLANS APPROVAL DATE Exp. 3-31-06 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plate these

To accompany plans dated _

🕻 Fixture mountina channels mm Dia hole in channel Walkway bracket (See Note 3) ⊊ Fixture mounting channels II x 19 Slot in 3 Max Cir walkway brackets total 4, Typ -

TYPICAL CONNECTION

CONNECTION AT SPLICE

LIGHTING FIXTURE MOUNTING CHANNEL DETAILS 2

LIGHTING FIXTURE MOUNTING CHANNEL DETAILS I

1 lock washer, typical

10 mm Dia x 25 Large round head machine screw, hex head nut, 2 flat, and

41 \times 41 \times 2.753 or 41 \times 35 \times 2.753

Cross bars at

At tubular signs,

see "STRUT SYSTEM

AT TUBULAR SIGNS'

(See NSP S10A)

102 mm C-C

Cont-slot steel channel or 41 x 41 x 2.66

aluminum alloy 6063-T6 extruded channel

Lighting fixture see

Use cable thimble 16 mm Dia stainless both ends steel cable (See Note 4) End safety lug 500 16 mm stainless steel clips. 6 mm thick Install and torque to manufactures stiffener plate guidelines. Space interior clips equally. Total 4 clips per end. Cope corner to fit At tubular signs, see "STRUT SYŠTEM 32 Typ -Walkway bracket AT TUBULAR SIGNS" (See NSP S10A) **ELEVATION** 1.52 thick Saddle Anchor 32 mm galvanized bolt anchor shackle with cotter pin (See Note 5) -(See Note 6) mm Dia hole for 10 mm Dia bolt, nut, flat and lock washers Walkway bracket Install this clip as close to loop or thimble as possible.

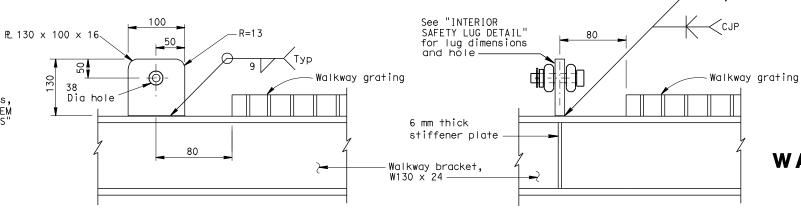
INTERIOR SAFETY LUG DETAIL

NOTES

- 1. Welded type grating shall have 32 x 3 bearing bars at 30 mm centers with 6 mm diameter (or equal) cross bars at 102 mm centers. If mechanical lock grating is used, it shall be equal in strength to the welded type. Alternate hold-down clips may be submitted for
- 2. Walkway grating and light fixture mounting channels to be continuous (no splices) over as many walkway brackets as practical and consistent with fabrication, ease of handling and assembly.
- 3. Contractor may substitute 41 x 41 x 2.753 cont-slot steel channel with pre-punched slots not larger than 10 mm x 77 mm. Slots shall be at bottom of channel and shall be parallel to channel. Slots shall be spaced not closer than 100 mm
- 4. Stainless steel cable shall be plain with 6 x 19 IWRC construction using Type 302 or 304 stainless steel strands. Minimun cable breaking strength shall exceed 155 kN. Cable shall be free of kinks, knots, or deformation and shall be continuous between end lugs. Splices not allowed.
- 5. Shackle shall be galvanized steel with working load limit of 107 kN.
- 6. Place an equal amount of washers on each side to align cable with end lug without restricting shakle bolt rotation or contacting cable.
- 7. Cable shall be installed with a deflection not to exceed 25 mm, measure from taut position, when pulled with an upwards force of 0.13 kN at midpoint between any two walkway brackets.



PLAN



STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS WALKWAY DETAILS No.2

NO SCALE ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

RSP S10 DATED DECEMBER 30, 2004 SUPERSEDES STANDARD PLAN S10 DATED JULY 1, 1999-PAGE 230 OF THE STANDARD PLANS BOOK DATED JULY 1999.

REVISED STANDARD PLAN RSP

SECTION A-A WALKWAY GRATING DETAILS Shown at splice

G Walkway bracket

PLAN

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 $W130 \times 24$

Bearing bar

END SAFETY LUG DETAIL